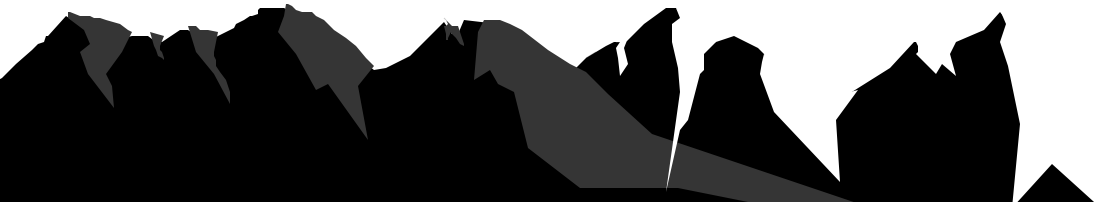
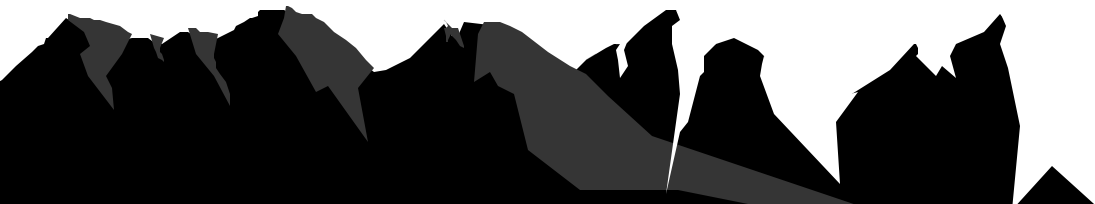


Field Sampling and Monitoring



Consistent Environmental Sample Protocol/Definition



Product

- Consistent Environmental Sample Definition
- Interim sample definition from EPA HQ



Milestones, steps

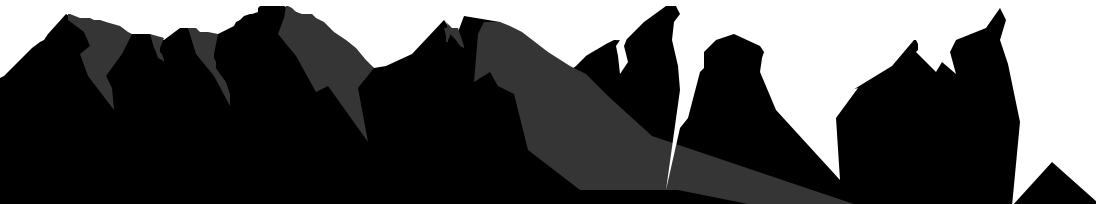
- Define counting criteria
- Define asbestos
 - Aspect ratio
 - Geo chemistry

Timeline

- Immediate – most critical

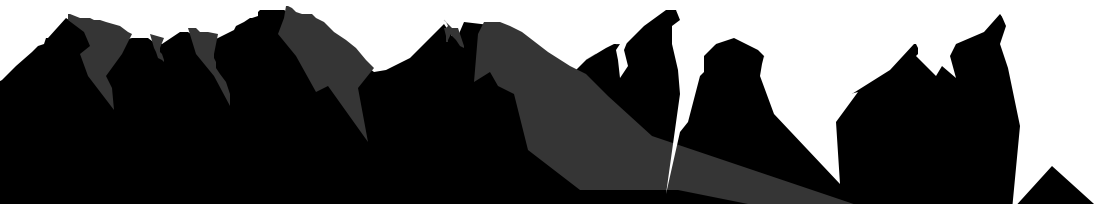
Collaborative approach between:

- Risk assessors, science advisors, analytical operations center, IRIS-HQ
 - USGS
 - ATSDR
 - NIOSH
 - MSHA
 - OSHA
- Interim protocol – EPA HQ



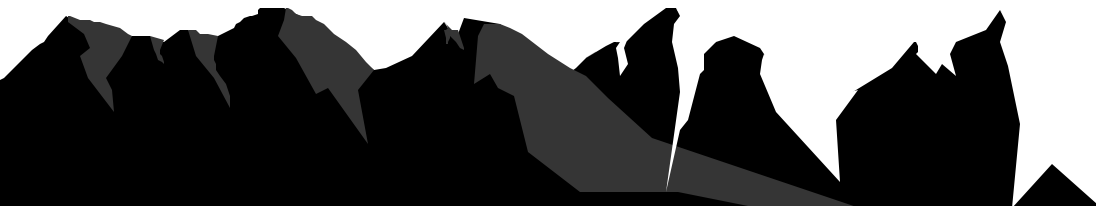
Collection

Air, Soil, Dust and Other



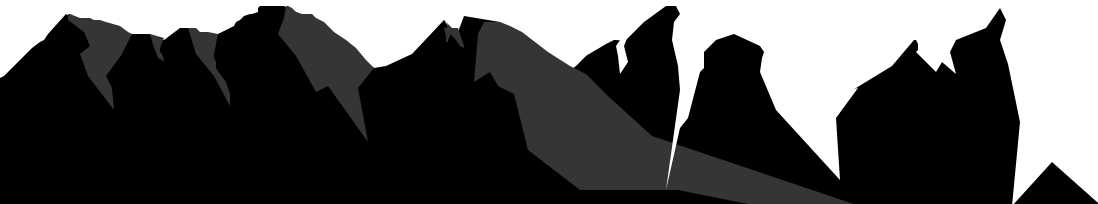
Product

- Assessment of methods and operational recommendations*
 - Risk based
 - Forensic
 - Mineralogic
- *Other examples:
 - Water
 - Blood
 - Tissue
 - Complex dust/mixed matrix dust



Resource

- Focused Workgroups
- Funding
- Contractor funds
- Funds for Publication and distribution of products



Milestone, Steps

- Gather sampling plans/final reports
- Identify methods
 - DQOs
- Recommend methods for different scenarios
 - Equipment
 - Occupational vs. environmental
 - Ambient air benchmark
 - Where
 - How many
 - Quantity
 - Sensitivity
 - Repeatability

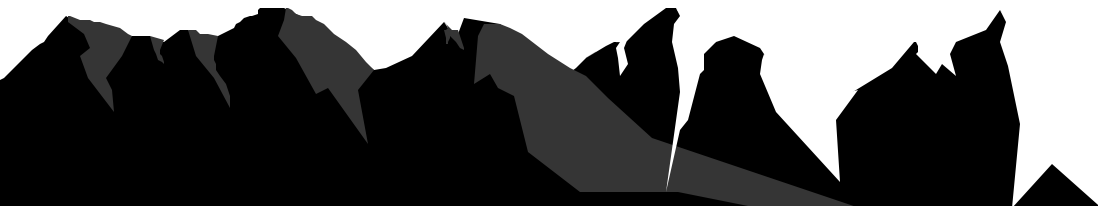


Timeline

- ASAP
- 4 to 6 months

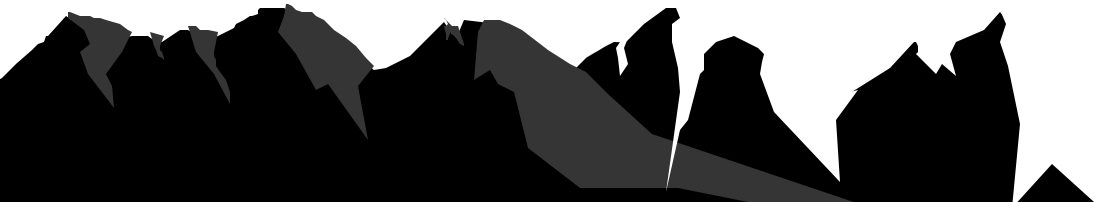
Volunteers

- Julie, J. Smith



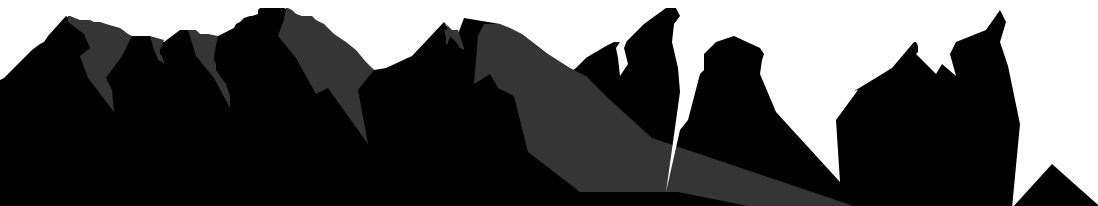
Screening Protocols

Air, Soil, Dust and Other



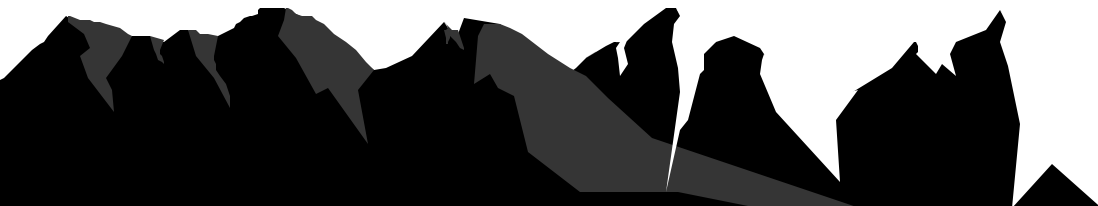
Product

- Assessment of methods and operational recommendations for screening protocols
- Soil to include:
 - Glove box
 - Elutriator



Resource

- Focused Workgroups
- Funding
- Contractor funds
- Funds for Publication and distribution of products
- Peer review for glove box and elutriator



Milestone, Steps

- Inventory of all screening protocols used
- Analyze and provide recommendations for screening protocols
 - DQOs – need sampling strategies and recommendations for guidance
 - Including land uses:
 - Industrial, residential, and mixed
 - Methods
 - PLM?
 - Glove box?
 - TEM?
 - PCM?

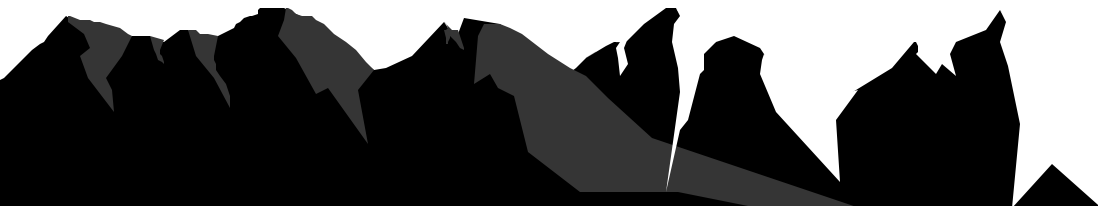


Timeline

- 4 to 6 months

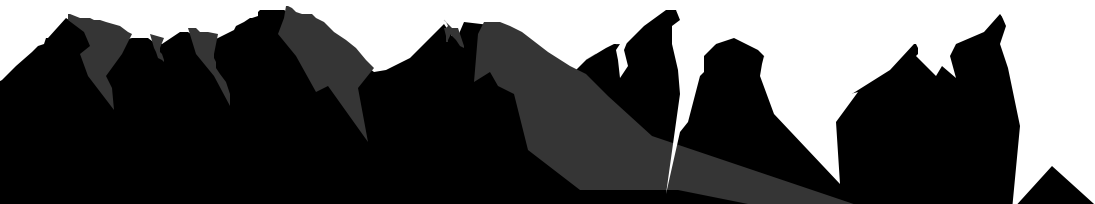
Volunteers

- John Wheeler, Jed Januch



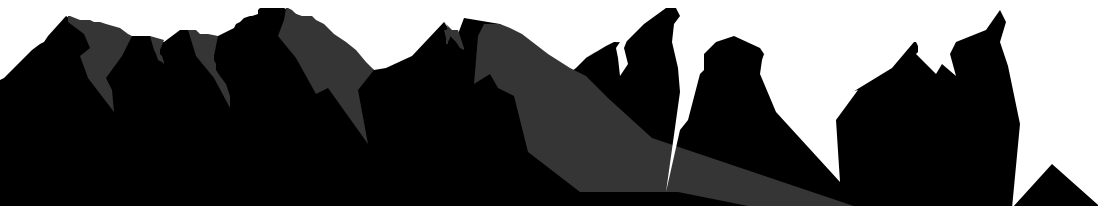
Task Based Monitoring

Air: Indoor/Outdoor



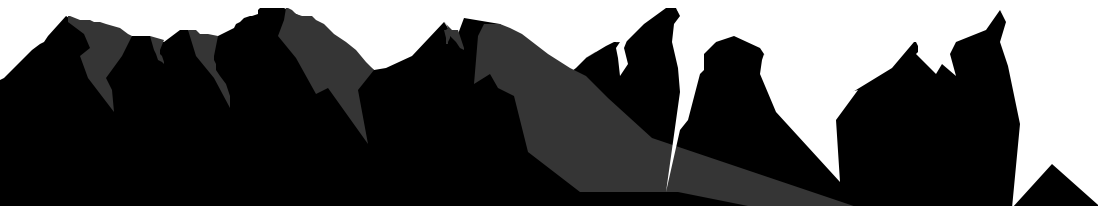
Product

- Recommendations for task based monitoring to include examples for
 - Aggressive and nonaggressive sampling
 - Residential vs. industrial
 - Site specific examples
 - Area vs. personal



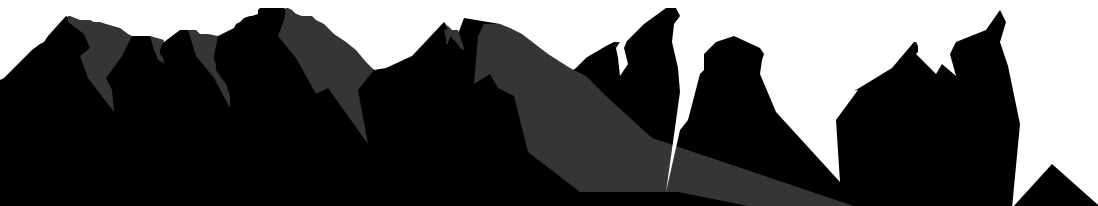
Resource

- Small workgroup with experience in task based monitoring (such as Chris, Jed)
- Funding
- Contractor funds
- Funds for Publication and distribution of products
- Funds for research



Milestone, Steps

- Inventory of sampling plans, final reports
- Guidance document on task based monitoring including when and how
 - Personal
 - Specific practical tasks – site specific
 - Cleaning, gardening
 - Area specific
 - Road traffic, construction



Timeline

- 6 to 8 months for initial critical scenarios
- 1 year for final

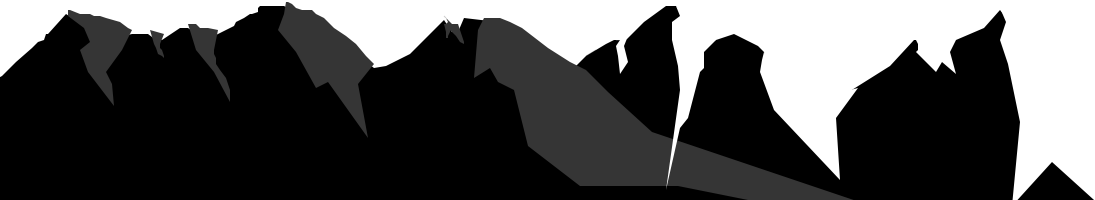
Volunteers

- Chris Weis



QA/QC

Air, Soil, Dust and Other



Product

- Define QA procedures including definition and use of levels 1, 2 and 3
 - Validation

Resources

- Send to lab group

Milestones, steps

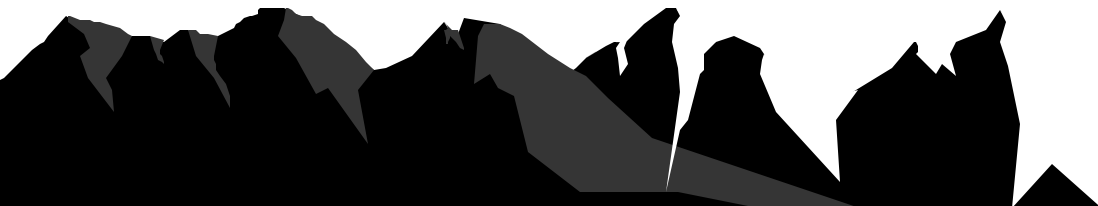
- Define QA/QC Levels 1,2,3

Timeline

- 3 months – critical need for collection and screening

Volunteer

- Lab group – HQ AOC



Site Specific Bio Monitoring

Product

- Policy/Prioritization matrix for site specific bio monitoring
 - interagency coordination

